



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/682,540	09/17/2001	Mats Danielsson	GPD0021-US	5619

28694 7590 04/06/2004

HOWREY SIMON ARNOLD & WHITE LLP  
1299 PENNSYLVANIA AVE., NW  
BOX 34  
WASHINGTON, DC 20004

EXAMINER


SONG, HOON K

ART UNIT PAPER NUMBER

2882

DATE MAILED: 04/06/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>		<b>Applicant(s)</b>	
	09/682,540		DANIELSSON, MATS 	
	<b>Examiner</b>		<b>Art Unit</b>	
	Hoon Song		2882	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 11 December 2003.
- 2a) ☐ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☒ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 16, 17 and 23-39 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☐ Claim(s) \_\_\_\_\_ is/are rejected.
- 7) ☒ Claim(s) 16, 17 and 23-39 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 17 September 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |                                                                                                                        |                                                                                         |
|------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                                                       | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____                                                |

## **DETAILED ACTION**

### ***Claim Objections***

Claims 16-17, 23 and 28 are objected to because of the following informalities:

The claims are replete with grammatical errors to numerous to mention specifically. The claims should be revised carefully. Examples of such errors are:

In claim 16, line 5, "said slots" should read --said slot--. Lines 9-11 are awkward and should be rephrased, for example what is meant by the phrases "in parallel arranged detector arrangement" and "one or several carrying members"? At line 12, "at least least" should read --on at least--. At line 13, "member" should read --members--. At line 19 and 21, "the said" should read --said--, "constant speed" should read --constant second speed--. In line 21, "the first collimator" should read --the first part of the collimators-- In line 22, "wherein the further steps of" lacks proper antecedent and should read --and--.

In claim 17, line 23, "The 10 parts of images" lacks antecedent basis.

Similar informalities exist throughout the claims. Appropriate revision/correction of all claims is required.

### ***Allowable Subject Matter***

The following is a statement of reasons for the indication of allowable subject matter:

None of the prior art fails to teach a method for scanning in an x-ray apparatus having steps of arranging a first part of collimators before start of the scanning in a field of view while the second part of the collimators are outside the field of view, starting the

scan from a first position and said collimators and detectors having a first speed, bringing said collimators and detectors to a maximum speed when all collimators and detectors are in the field of view, bringing said collimators and detectors to a third speed when the first part of collimators is outside the field of view, and stopping the scan when said second part of the collimators are outside the field of view as claimed in independent claim 16.

None of the prior art fails to teach a method for scanning in an x-ray apparatus having steps of arranging a first part of collimators before start of the scanning in a field of view while the second part of the collimators are outside the field of view, starting the scan from a first position and said collimators and detectors having a first speed, bringing the said collimators and detectors to a maximum speed when all collimators and detectors are in the field of view, bringing said collimators and detectors to a third speed when the first part of collimators is outside the field of view, wherein the parts of an image where the acceleration and retardation take place obtains substantially a same photon statistics as the rest of the image as claimed in independent claim 17.

### ***Conclusion***

This application is in condition for allowance except for the following formal matters:

Objections indicated as above.

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hoon Song whose telephone number is (571) 272-2494. The examiner can normally be reached on 8:30 AM - 5 PM, Monday - Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Glick can be reached on (571) 272 - 2490. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

HKS

415104  
FELIS

  
EDWARD J. GLICK  
SUPERVISORY PATENT EXAMINER